

Connect to Ceph (or R-Drive) from a Linux or macOS command line

Linux users may need to adjust these steps for their particular distribution and / or command environment.

The first steps were tested in **Ubuntu** 14.04 using a user in the administrators or 'sudo' group. In the instructions '<username>' refers to your Lehigh username,

1. Since the Ceph server uses Windows-style file sharing, you'll need to make sure that the 'cifs-utils' package is installed on your system, which contains the client software needed for such servers:
 - a. `$ sudo apt-get install cifs-utils`
2. Next, create a folder in your home directory to act as the mount point for the share on your file system, and mount the share to it:
 - a. `$ cd ~`
 - b. `$ mkdir ceph`
 - c. `$ sudo mount.cifs //rdrive.cc.lehigh.edu/<username> ~/ceph -o username=<username>`
 - d. At the prompt, enter the password for your Lehigh user account.

The next steps were tested in the Terminal app in **mac OS** 10.10 (Yosemite):

1. `$ cd ~`
2. `$ mkdir ceph`
3. `$ sudo mount_smbfs //<username>@rdrive.cc.lehigh.edu/<username> ~/ceph`
4. When prompted, enter the password for your Lehigh user account.

To **DIS**-Connect:

1. Make sure all files from the share (in the ceph directory) are closed.
2. Move the shell focus out of the ceph directory (`cd`)
 - a. `cd ~`
3. Unmount the share:
 - a. `umount ~/ceph.`